



## Applying Properties of Operations

Name: \_\_\_\_\_

Apply the distributive property to produce an equivalent expression.

Answers

1)  $8 + 6b$

1. \_\_\_\_\_

2)  $c + c + c + c + c + c$

2. \_\_\_\_\_

3)  $d + d + d + d + d + d + d$

3. \_\_\_\_\_

4)  $63 + 27e$

4. \_\_\_\_\_

5)  $f + f + f + f + f + f + f$

5. \_\_\_\_\_

6)  $60 + 90g$

6. \_\_\_\_\_

7)  $9h + 5h + 2 + 9$

7. \_\_\_\_\_

8)  $20 + 50i$

8. \_\_\_\_\_

9)  $9(4 + 10j)$

9. \_\_\_\_\_

10)  $k + k + k + k + k + k + k + k + k$

10. \_\_\_\_\_

11)  $2 + 9 + 5m + 3m$

11. \_\_\_\_\_

12)  $9(7n + 8)$

12. \_\_\_\_\_

13)  $10(2p + 6)$

13. \_\_\_\_\_

14)  $18r + 63$

14. \_\_\_\_\_

15)  $t + t + t + t + t + t + t + t + t$

15. \_\_\_\_\_

16)  $54u + 42$

16. \_\_\_\_\_

17)  $60v + 18$

17. \_\_\_\_\_

18)  $w + w + w + w + w + w + w + w$

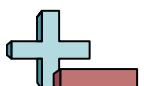
18. \_\_\_\_\_

19)  $y + y + y + y + y + y + y + y$

19. \_\_\_\_\_

20)  $30z + 21$

20. \_\_\_\_\_



## Applying Properties of Operations

Name: **Answer Key**

Apply the distributive property to produce an equivalent expression.

1)  $8 + 6b$

Answers

1.  $2(4 + 3b)$

2)  $c + c + c + c + c + c$

2.  $6c$

3)  $d + d + d + d + d + d + d$

3.  $7d$

4)  $63 + 27e$

4.  $9(7 + 3e)$

5)  $f + f + f + f + f + f + f$

5.  $7f$

6)  $60 + 90g$

6.  $30(2 + 3g)$

7)  $9h + 5h + 2 + 9$

7.  $14h + 11$

8)  $20 + 50i$

8.  $10(2 + 5i)$

9)  $9(4 + 10j)$

9.  $36 + 90j$

10)  $k + k + k + k + k + k + k + k + k$

10.  $9k$

11)  $2 + 9 + 5m + 3m$

11.  $8m + 11$

12)  $9(7n + 8)$

12.  $63n + 72$

13)  $10(2p + 6)$

13.  $20p + 60$

14)  $18r + 63$

14.  $9(2r + 7)$

15)  $t + t + t + t + t + t + t + t + t$

15.  $9t$

16)  $54u + 42$

16.  $6(9u + 7)$

17)  $60v + 18$

17.  $6(10v + 3)$

18)  $w + w + w + w + w + w + w + w$

18.  $8w$

19)  $y + y + y + y + y + y + y + y$

19.  $8y$

20)  $30z + 21$

20.  $3(10z + 7)$